

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED GAS WELL SUB. REPORT/abd. _____DATE FILED 4-16-81

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. USA-U-20032A

INDIAN

DRILLING APPROVED: 5-19-81

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LOCATION ABANDONED 10-14-81FIELD: Wildcat 3/86

UNIT:

COUNTY: RichWELL NO. CHEVRON FEDERAL #1-20BAPI NO. 43-033-30033LOCATION Surface: 653 FT. FROM X (S) LINE.664FT. FROM (E) X LINE.SE SE1/4 - 1/4 SEC. 20BOTTOM: -660FSL660 FEL

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

7N8E20CHEVRON USA INC,

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. USA U-20032A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Chevron U.S.A. Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, CO 80201			8. FARM OR LEASE NAME Chevron Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 653' FSL & 664' FEL SESE At proposed prod. zone 660' FSL & 660' FEL			9. WELL NO. 1-20B	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR CITY OFFICE* + 6 miles west & north of Evanston, Wyoming			10. FIELD AND POOL, OR WILDCAT Subthrust Cretaceous Thomas Canyon Area (WJDA)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 653'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T7N, R8E	
16. NO. OF ACRES IN LEASE 561.36			12. COUNTY OR PARISH Rich	
17. NO. OF ACRES ASSIGNED TO THIS WELL 640			13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. No Other Well			20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 18,000			21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 6933	
22. APPROX. DATE WORK WILL START* April 1982				

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	72#	2,500	To Surface
12-1/4"	9-5/8"	53.5#	14,300-7,000	As Required
12-1/4"	9-5/8"	47#	7,000-Surf	As Required
8-1/2"	7"	38#	TD-16,000	As Required
8-1/2"	7"	35#	16,000-14,000	As Required
8-1/2"	7"	32#	14,000-Surf	As Required

It is proposed to drill this Development Well to a depth of 18,000' to test the Subthrust Cretaceous.

Attachments: Certified Plat (See Exhibit C)
Drilling Procedure
Chevron Class IV BOPE Requirements
Multi-point Surface Use Plan
H2S Contingency Plan (Will Submit Later)
Completion Procedure to be submitted by Sundry Notice

3-USGS
2-State
2-Partners
1-GDE
1-ALF
1-MEC
1-Sec. 723
1-File

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Engineering Assistant

DATE

April 13, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APR 16 1981

DATE

APPROVED BY

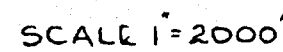
CONDITIONS OF APPROVAL, IF ANY:

DATE

BY:

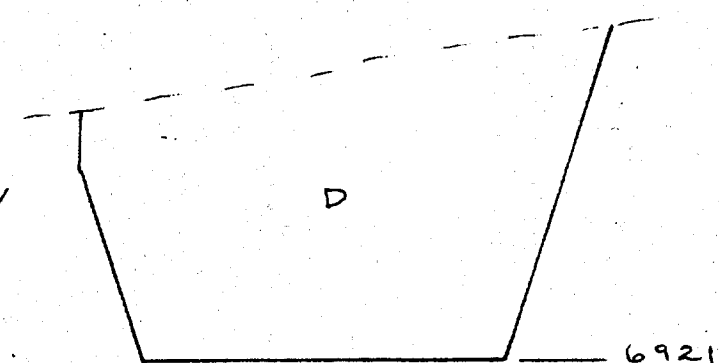
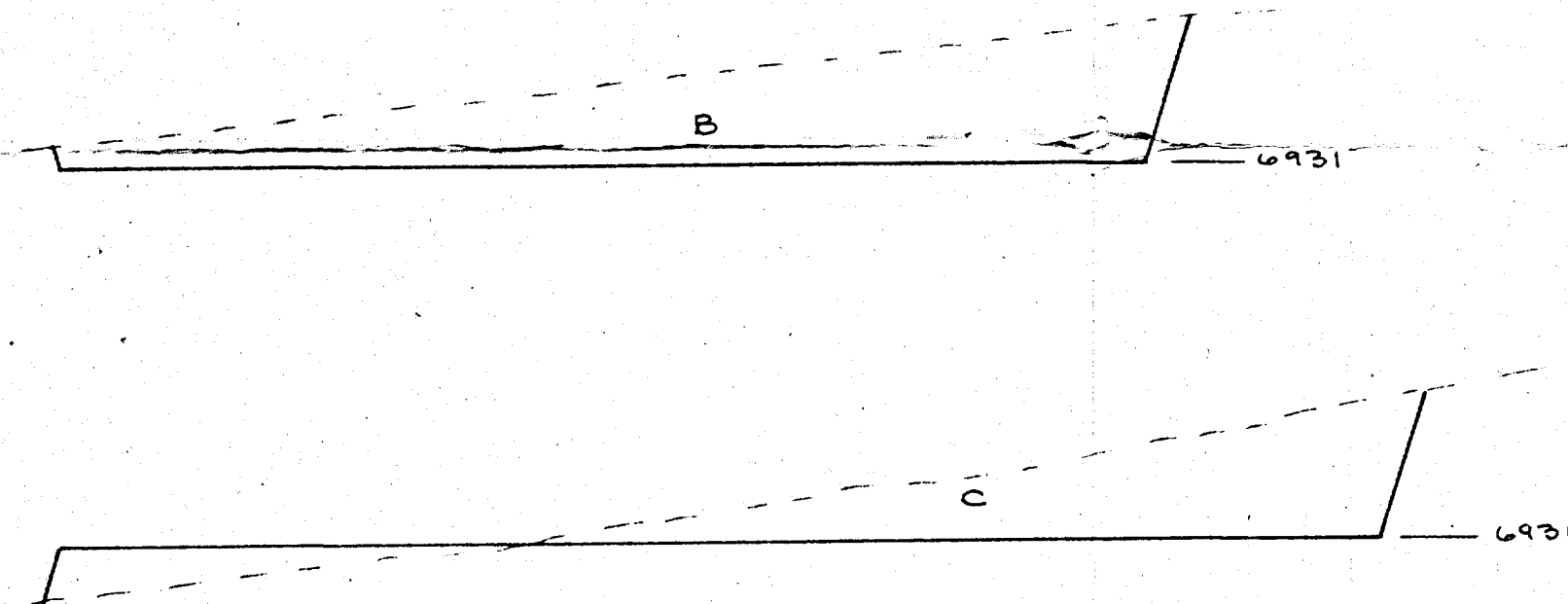
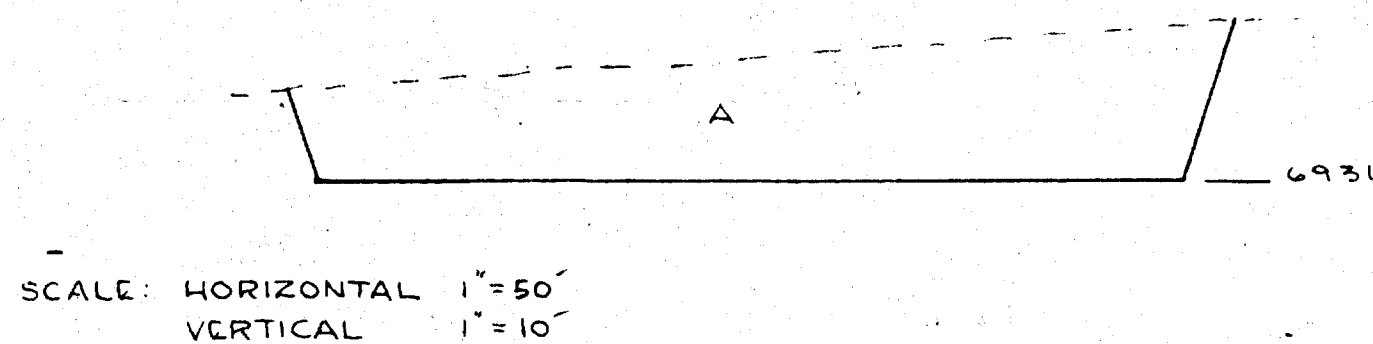
DIVISION OF
OIL, GAS & MINING

SE 1/4 SE 1/4 SECTION 20, T7N, R8E, S14B.4M,
RICH COUNTY, UTAH



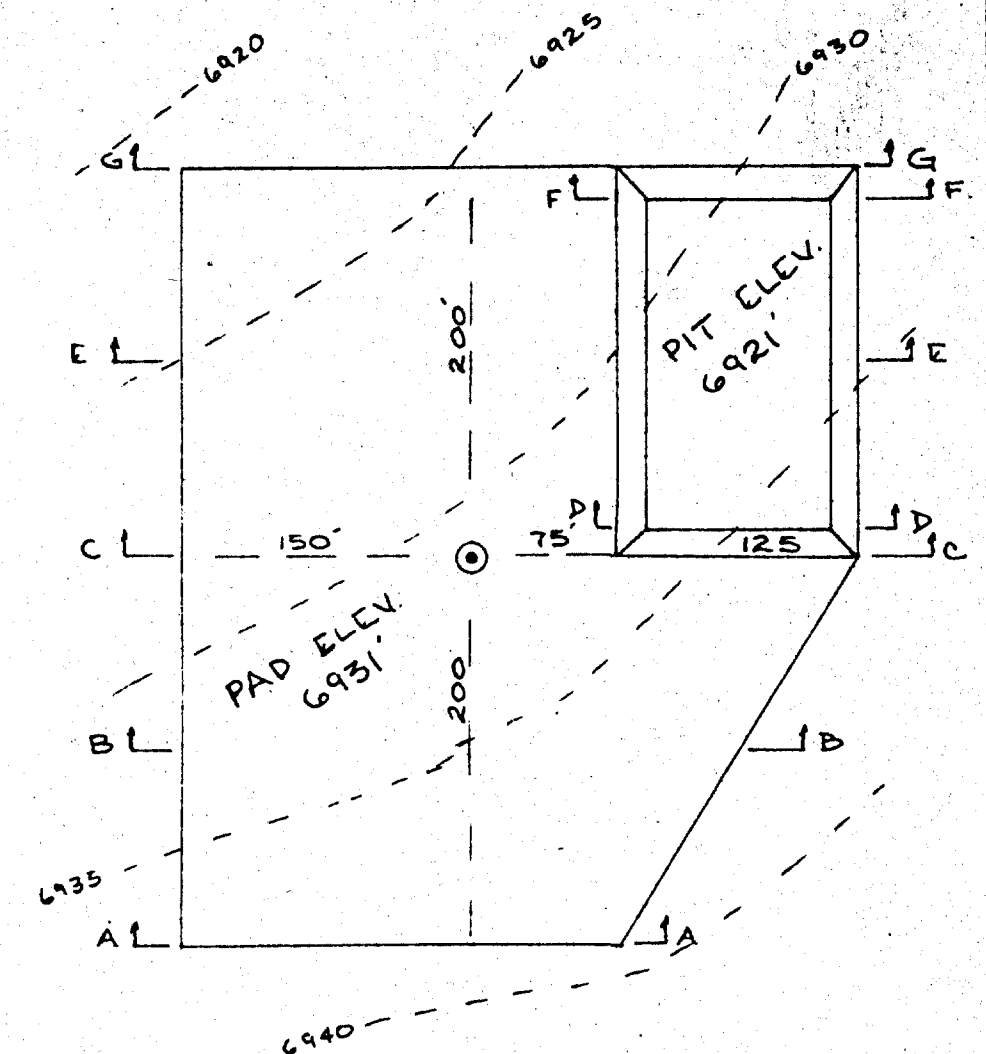
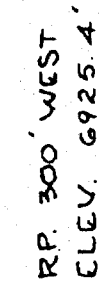
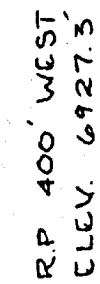
GROUND ELEVATION 6933' @ WELL
DATUM: U.S.G.S. QUAD.
MURPHY RIDGE - UTAH-WYOMING
SPOT ELEVATION NE 1/4 SEC 29,
T 7 N, R 8 E, S 1 B. 4 M.: 7033'

- ① WELL LOCATION
- FOUND ORIGINAL STONE
- △ REFERENCE POINT
- FOUND ORIGINAL STONE, SET BRASS CAP



SURVEYED BY:

LOYAL DORAN OLSON III
UTAH L. S. 4954

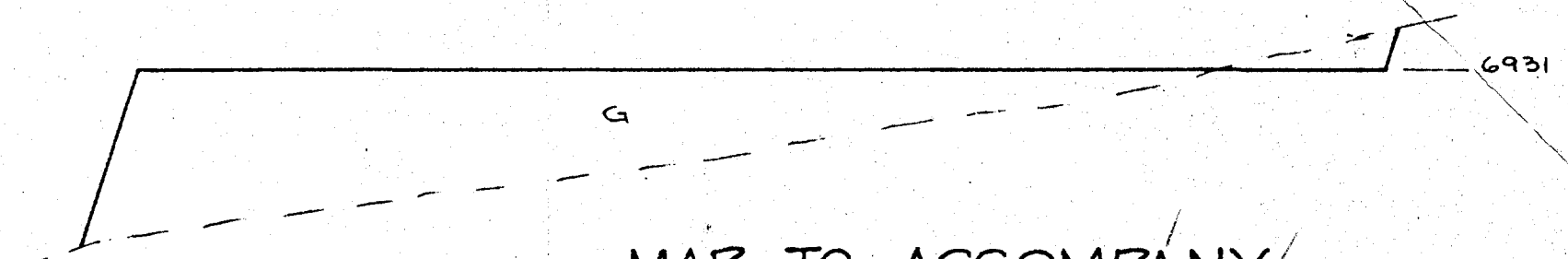
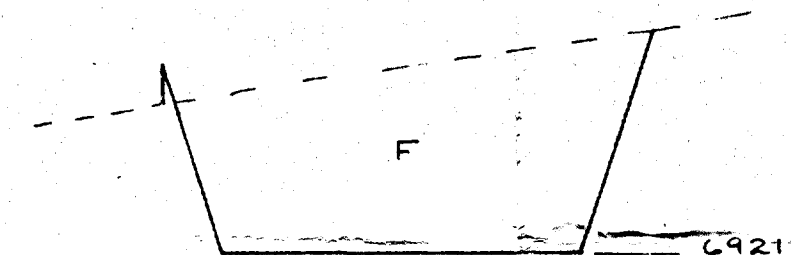
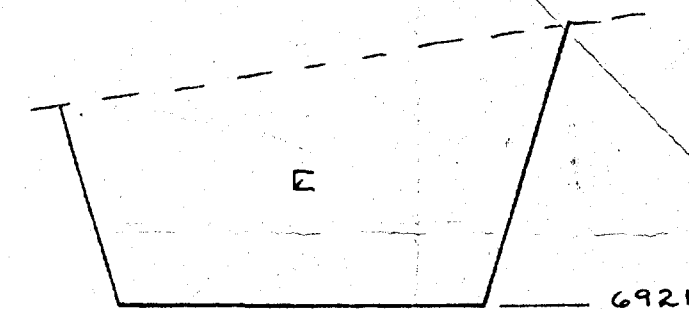


SCALE 1"=100'

Δ. R.P. 300 SOUTH
ELEV. 6944.7'

Δ R.P. 400' SOUTH
ELEV. 6952.9'

CUT: 21013 cu. yds.
FILL: 7274 cu. yds.
TOPSOIL: 2547 cu. yds.
SPOIL: 11152 cu. yds.
PIT CAPACITY:
36376 BARRELS



APPLICANT: CHEVRON USA
P.O. BOX 599
DENVER, COLORADO 80201

81-5-2

EXHIBIT C

DRILLING PROCEDURE

Field Thomas Canyon Well Chevron-Federal 1-20B
 Location C SESE Section 20, T7N, R8E, Rich County, Utah
 Drill X Deepen Elevation: GL 6900 est KB 7020 est Total Depth 18,000
 Non-Op Interests Amoco - 10.0679%, Grace - 39,9321% BHL 660 FSL, 660 FEL

1. Name of surface formation: Wasatch

2. Estimated tops of important geologic markers:

Formation	Approximate Top	Formation	Approximate Top
<u>Twin Creek</u>	<u>8,320 (-1300)</u>	<u>Mission Canyon</u>	<u>15,320 (-8300)</u>
<u>Thaynes</u>	<u>11,720 (-4700)</u>	<u>Bighorn</u>	<u>17,370 (-10,350)</u>
<u>Phosphoria</u>	<u>14,220 (-7200)</u>	<u>Thrustfault-Cretaceous</u>	<u>17,720 (-10,700)</u>
		<u>Total depth</u>	<u>18,000</u>

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations:

Formation	Depth	Type	Formation	Depth	Type
<u>Mission Canyon</u>	<u>15,300</u>	<u>Sour gas-condensate</u>			
<u>Bighorn</u>	<u>17,300</u>	<u>Sour gas-condensate</u>			

4. Casing Program (O = old, N = new):

	Surface	O/N	Intermediate	O/N	Oil String/ Liner	O/N
Hole Size	<u>17 1/2"</u>		<u>12 1/2"</u>		<u>8 1/2"</u>	
Pipe Size	<u>13 3/8"</u>	<u>N</u>	<u>9 5/8"</u>	<u>N</u>	<u>7"</u>	<u>N</u>
Grade	<u>S80 or S95</u>		<u>SS-95</u>		<u>SS-95</u>	
Weight	<u>72#</u>		<u>47# & 53.5#</u>		<u>32#, 35# & 38#</u>	
Depth	<u>2500'</u>		<u>14,300'</u>		<u>TD</u>	
Cement	<u>To surface</u>		<u>As required</u>		<u>As required</u>	
Time WOC	<u>12 hrs.</u>		<u>24 hrs.</u>		<u>24 hrs.</u>	
Casing Test	<u>3000 psi</u>		<u>5000 psi</u>		<u>5000 psi</u>	
BOP						
Remarks	<u>*9 5/8" 47# surface to 7000' & 9 5/8" 53.5# 7000' to 14,300'</u>					
	<u>** 7" 32# surface to 14,000' & 7" 35# 14,000' to 16,000' & 7" 38# 16,000' to TD (18,000')</u>					

5. BOPE: Chevron Class IV 5000 psi & 10,000 psi. MSP with H₂S trim to be tested at full working pressure or 70% of casing yield.

6. Mud Program:

Depth Interval	Type	Weight	Viscosity	Water Loss
<u>0-2,500'</u>	<u>GEL-WTR</u>	<u>± 8.8 ppg</u>	<u>35-40 sec.</u>	<u>-</u>
<u>2,500'-14,300'</u>	<u>SAT-SALT</u>	<u>±10.0 ppg</u>	<u>35-40 sec.</u>	<u>10-15 cc</u>
<u>14,300'-TD</u>	<u>GEL-CHEM</u>	<u>*11.0 ppg</u>	<u>40-45 sec.</u>	<u>8-10 cc</u>

7. Auxiliary Equipment: Drill pipe safety valve, PVT, Kelly cocks, mud cleaner, degasser, automatic choke and H₂S safety equipment.

8. Logging Program:

Surface Depth	Intermediate Depth	Oil String Depth	Total Depth
	<u>GR-DLL-MSFL; GR-CNL-FDC-CAL; GR-Sonic (Integ); HDT</u>		
	<u>"</u>	<u>"</u>	<u>"</u>
	<u>"</u>	<u>"</u>	<u>"</u>

9. Mud Logging Unit: Conventional 2 man unit 2,500' to TD. H₂S detector 14,000 to TD
 Scales: 2" = 100' to ; 5" = 100' 2,500' to TD

10. Coring & Testing Program:

Core	Formations	Approximate Depth	Approximate Length of Core
<u>9* DST</u>			<u>9 @ 60' = 540'</u>
<u>DST</u>			

11. Anticipated Bottom Hole Pressure/Temperatures/Hazards and plans for mitigating:
Sour gas potential 14,000' to TD. BHT est 250° F. BHP est 8400 psi. Salt in interval 7700' to 8300'.

12. Completion & Remarks: Completion to be based on results of core analysis and wireline log evaluation.

Division Development Geologist OC 4/4/8 Division Drilling Superintendent WJ
 Chief Development Geologist Date 4-13-8
 * Mission Canyon @ 15,300; Darby @ 17,000'; 2 Bighorn @ 17,400' WS-447

DRILLING PROCEDURE
CHEVRON FEDERAL 1-20B
RICH CO., UTAH

6. Mud Program

- (a) Caustic shall be used to control a PH of 10.0-11.0 in a water base mud system to control corrosion.
- (b) Sufficient quantities of Zinc Carbonate shall be maintained on location to scavenge and/or neutralize H_2S .

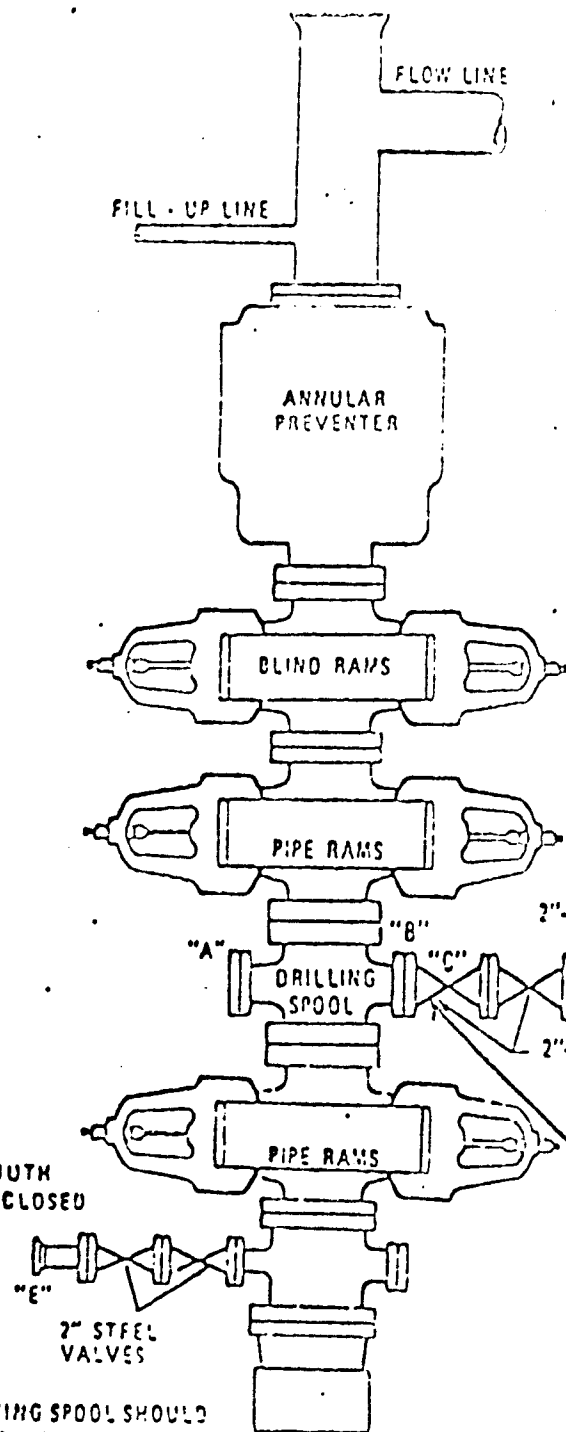
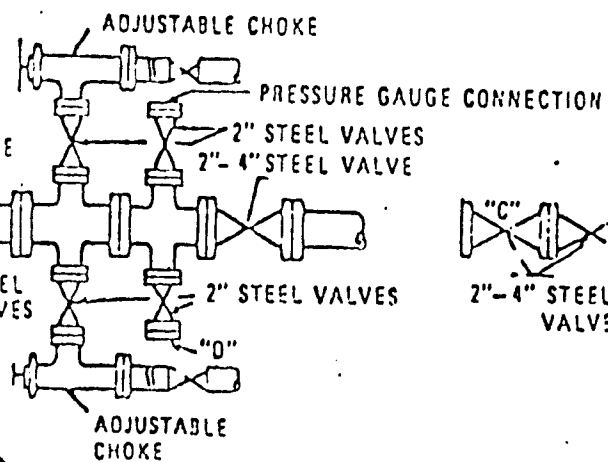
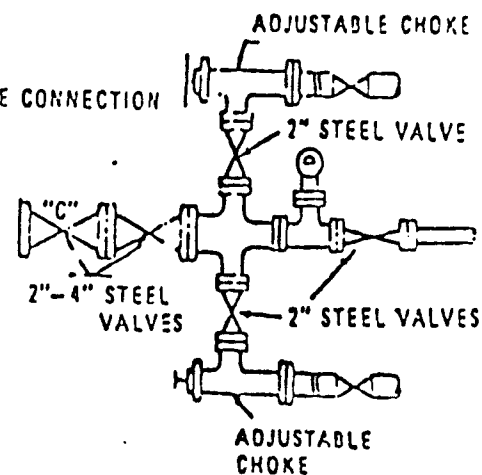


FIGURE III-7
FOUR PREVENTER HOOKUP
CLASS IV

CHOKE MANIFOLD



ALTERNATE CHOKE MANIFOLD



III-13

GENERAL INSTRUCTIONS ON PAGE FOLLOWING FIGURE III-7

IF POSSIBLE, CASING SPOOL SHOULD
BE POSITIONED SO THAT THESE
VALVES ARE DIRECTLY UNDER THE
BARREL OF THE RAM PREVENTER

CHEVRON U.S.A. INC.
CHEVRON-AMOCO-GRACE 1-20B FEDERAL
SEC. 20, T7N, R8E
THOMAS CANYON
RICH COUNTY, UTAH
MULTIPOINT SURFACE USE PLAN

1. EXISTING ROADS

See Exhibit "A".

2. PLANNED ACCESS ROAD

See Exhibit "A".

The proposed access road takes off an existing road in the southwest quarter of Section 25, T16N, R121W and follows a two track trail across Sec. 35 and Sec. 34 in a southwest direction. It then crosses the Utah state line into Sec. 28, T7N, R8E and then goes in a northwest direction into the south quarter of Sec. 21. The road leaves the two track trail in the center of this quarter and turns west into the proposed site in SESE of Sec. 20. An H₂S escape route, shown in red, will be bladed off the end of the location, opposite of the primary access route.

An archaeological survey has been requested for the access road and well site in Sec. 20. A copy will be forwarded to your office upon completion.

A surface owners agreement is being obtained for the access road in Section 21 from North Deseret Land and Livestock Corp. A road right-of-way has been requested from Amoco Production Company for the portion of road in Sec. 28, T7N, R8E. A surface owner's agreement is being obtained for Sec. 34, Sec. 35 and Sec. 25.

Construction will be in accordance with the following:

- | | |
|--------------------------------------|---|
| a. Width | 20' |
| b. Maximum Grade | 8% |
| c. Turnouts | As needed for passing. |
| d. Drainage Design | Culverts will be used as required for erosion control and in any large drainages. |
| e. Cuts and Fills | See Exhibit "C". |
| f. Surfacing Materials | Gravel where needed. |
| g. Gates, Cattleguards or Fence Cuts | None |

3. LOCATION OF EXISTING WELLS

Our nearest well is Chevron Federal 1-35, Sec. 35, T16N, R121W in Uinta County, Wyoming.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. No existing facilities within a one mile radius.

- B. In the event of testing of the productive zones, a 20' X 20' X 3' deep pit will be constructed in the corner of the drilling location. The pit will be fenced off on all sides. In the event of production, detailed plans for proposed facilities will be submitted.
- C. Rehabilitation plans are covered under Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. An application will be submitted to the State of Utah to drill a water well adjacent to the location.
- B. Fresh water supplied to the location will be piped through a temporary surface line from the water well. Lines will be removed after drilling and completion operations. In the event this well is not used after completion of these operations, it will be disposed of in a manner satisfactory to Federal Regulations.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials will be transported to the location by commercial suppliers.

7. METHODS FOR HANDLING WATER DISPOSAL

- A. Cuttings will be settled out in a reserve pit. The reserve pit will be fenced on 3 sides during drilling operations and the fourth side will be fenced after drilling and until the pit is eliminated. The pit will be unlined as per B.L.M. request.
- B. Drilling fluids will be retained in reserve tanks utilizing maximum recirculation during drilling operations. Following drilling, the liquid waste will be evaporated and the remainder worked into the deep subsoil of the pit and the pit filled in and returned to natural grade.
- C. In the event fluids are produced, any oil will be retained until sold in tankage and any water produced will be retained until its quality is determined. The quality and quantity of water produced will then determine the necessary disposal procedure.
- D. Sewage will be disposed of in the subsurface with proper chemical treatment.
- E. Garbage and other combustible material if incinerated will be in a safe incinerator and noncombustibles will be retained in a portable metal disposal container. Periodically all will be hauled to an approved disposal dump. The incinerator will consist of a wire mesh enclosure approximately 10' X 10' surrounding a 2' deep 10' X 10'

pit adjacent to the reserve pit with an access gate and wire mesh top.

- F. After the rig has moved from the well site, all waste material will be either buried or removed to an approved disposal dump.

8. ANCILLARY FACILITIES

Trailers will be provided for the supervisors at the well site.

9. WELL SITE LAYOUT

- A. Cross-sections of drill pad with cuts and fills - See Exhibit "C".
- B. Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil stockpiles - See Exhibit "B".
- C. Rig orientation, parking areas and access roads - Exhibit "B".

10. PLANS FOR RESTORATION OF SURFACE

- A. During drilling operations the well site layout will be as appears on Exhibit "B". Topsoil will be stockpiled off the location, properly fenced and marked. The excess cut material from the location will also be stockpiled and retained for use in rehabilitation of the site. During producing operations when the rig is off the site and the reserve pit is no longer needed, the stockpiled earth will be backfilled into the pit area. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return the surface to its present appearance and provide soil for seed growth.
- B. Reseeding will be performed as directed by the B.L.M.
- C. Pits and any other areas that would present a hazard to wildlife or livestock will be fenced off when the rig is released and moved.
- D. Any oil accumulation on the pit will be removed, burned or overhead flagged as dictated by then existing conditions.
- E. The well will be completed during 1982. Any necessary rehabilitation will commence following completion of the well.

11. OTHER INFORMATION

The location is not near any occupied dwellings, or known archaeological, historical or cultural sites.

12. COMPANY REPRESENTATIVE

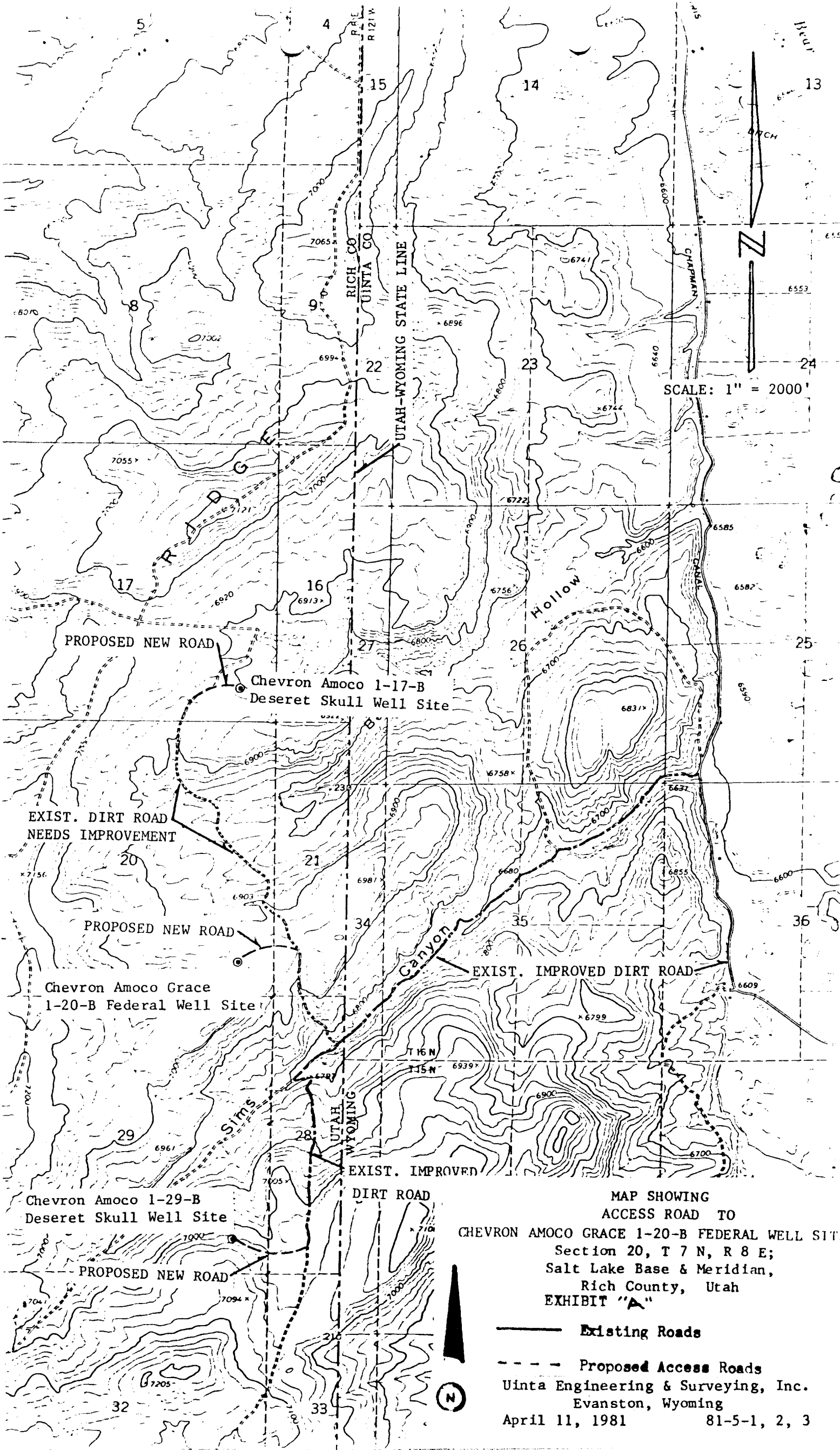
B. L. Haynes
P. O. Box 599
Denver, Colorado 80201
(303) 759-7527

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron U.S.A. Inc., and its Contractors and Subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

B. L. Haynes
Division Drilling Superintendent

Exhibit "A" - Proposed Access Road
Exhibit "B" - Well Site Layout
Exhibit "C" - Location Layout



MAP SHOWING
ACCESS ROAD TO
CHEVRON AMOCO GRACE 1-20-B FEDERAL WELL SITE
Section 20, T 7 N, R 8 E;
Salt Lake Base & Meridian,
Rich County, Utah
EXHIBIT "A"

———— Existing Roads
----- Proposed Access Roads
Uinta Engineering & Surveying, Inc.
Evanston, Wyoming
April 11, 1981 81-5-1, 2, 3

ESCAPE ROUTE

BREIFING AREA

WATER TANK

WATER TANK

MUX EQUIPMENT
W/O COMPANY
170000

1000' 3"

DOOR

DOOR

WATER
W/O 100'

W/O TANK

SUBSTRUCTURE

CANAL

WELL SITE LAYOUT

CHEVRON-FEDERAL

1-20 B

EXHIBIT "B"

EXCESS
CUT
STOCKPILE

ACCESS
ROAD

EXCESS
CUT
PILE



TRAILER

PARKING

WIND
STREAMER

BREIFING AREA

TOPSOIL
STORAGE

**** FILE NOTATIONS ****

DATE: May 11, 1981
OPERATOR: Chevron U.S.A. Inc.
WELL NO: Chevron Federal 1-20B
Location: Sec. 20 T. 7N R. 8E County: Rich

File Prepared: ☒

Entered on N.I.D: ☐

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-033-30033

CHECKED BY:

Petroleum Engineer: _____

Director: OK [Signature]

Administrative Aide: OK as per C-3 spacing OK on
bindrys, OK on any other old & gas wells.

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation [Signature]

Plotted on Map ☐

Hot Line ☒

Approval Letter Written ☒

P.I. ☒

May 19, 1981

Chevron USA Inc.
P. O. Box 599
Denver, Colorado 80201

Re: Well No. Chevron Federal 1-20B
Sec. 20, T. 7N, R. 8E, SE SE
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-033-30033.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Cleon B. Feight
Director

CBF/ko
cc: USGS

Chevron



Chevron U.S.A. Inc.

700 South Colorado Blvd., P. O. Box 599, Denver, CO 80201

October 14, 1981

G. H. Thomas
Area Superintendent

Thomas Canyon
Sections 17, 20, 29
T7N, R8E
Rich County, Utah

State of ~~Utah~~
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
OCT 19 1981

DIVISION OF
OIL, GAS & MINING

Gentlemen:

Please refer to Application for Permit to Drill wells in the above referenced sections in Rich County, Utah. State approval to drill these three wells was received ~~by~~ 15, 1981.

By copy of this letter we are advising you that Chevron U.S.A. Inc. has no plans for drilling these wells at this time.

If you need additional information please call Louis Kirkpatrick at (303) 759-7522.

Very truly yours,

LLK:ls